

## **Section 02212**

### **Material Identification and Documentation**

#### **PART 1      GENERAL**

##### **1.1      SCOPE**

This section includes the requirements for the impacted material identification and documentation to be performed by the Contractor. Materials handled but retained in a given Material Tracking Location (MTL) are not subject to these requirements.

##### **1.2      RELATED SECTIONS**

- A.          Section 02050 - Surveying.
- B. Section 02205 - Impacted Material Excavation.
- C. Part 8 - Environmental Health and Safety, and Training Requirements.
- D.          Impacted Material Placement Plan, On Site Disposal Facility, October 1997,  
Revision I.

##### **1.3      REFERENCES**

NONE

##### **1.4      DEFINITIONS**

- A.          Material Tracking Locations (MTLs) - The specific areas identified in this  
specification and as shown on the Construction Drawings; MTLs include:

<b>MTL Number</b>	<b>MTL Description</b>
CON-017	OU-1 Stockpile Area
SWU-001	Inactive Flyash Pile (IFP)
SWU-004	South Field Impacted Material Stockpile
OSD-002	On-Site Disposal Facility (OSDF)
SWU-007	Southern Waste Units (SWU) Equipment Wash Facility
SWU-011	Active Flyash Pile (AFP)
SWU-012	South Field Area (SF)
SWU-016	Special Material Transfer Area
SWU-017	Lead Contaminated Soil Container Transfer Area
SWU-018	Lead Contaminated Soil Area
SWU-019	Retention Basin 1
SWU-020	Retention Basin 2
SWU-021	Retention Basin 3
W800057	OSDF East Impacted Material Stockpile
W800011	OSDF East Impacted Debris Stockpile
W800056	OSDF West Impacted Material Stockpile
	Above WAC Material Excavation Area
W800010	OSDF West Impacted Debris Stockpile

Additional MTLs may be added as the SWU excavation progresses. These new MTLs will be identified by the Construction Manager and provided to the Contractor.

B. OSDF Manifest - Documents the identity and source location (and associated analytical data) of the material hauled to the OSDF. See Attachment I.

C. Field Tracking Log (FTL) - Documents the source MTL, quantity, material profile/description, and destination MTL of the material moved between MTLs (including Special Materials moved to the Special Material Transfer Area) by the Contractor. See Attachment II.

D. The following notes apply to the attachments to this Section:

Note 1. Contractor to provide information; FDF to record on form.

Note 2. Contractor equipment operator signature required.

Note 3. All other boxes to be completed by FDF.

## **1.5 SUBMITTALS**

Submit for approval, within ten (10) calendar days from Notice to Proceed, the Material Identification and Documentation Work Plan. The plan shall include the following:

A. Methods for providing information for identification and documentation of material movement as specified in this Section.

B. A table which presents each piece of haul equipment, including the haul capacity in cubic yards, and the assigned unique alpha-numeric identifier.

C. Identify all competent personnel who will be involved with material identification and documentation.

## **1.6 HEALTH AND SAFETY REQUIREMENTS**

Environmental Health and Safety, and Training requirements shall be as specified in Part 8.

## **PART 2      PRODUCTS**

### **2.1      MATERIALS**

- A.        Provide approximately 12-inch by 12-inch metallic identifier, two (2) per piece of hauling equipment, showing unique alpha-numeric equipment identification.
- B. OSDF manifest and FTL forms will be provided by FDF.

## **PART 3      EXECUTION**

### **3.1      GENERAL REQUIREMENTS**

- A.        The alpha-numeric identifier must be clearly visible on the two lateral sides of the equipment.
- B. Contractor shall provide the following information for material documentation:

1.

<b>Transfer Type</b>	<b>Target Form</b>	<b>Required Information</b>	<b>Frequency</b>	<b>Method</b>
MTL to OSDF MTL	OSDF Manifest	source MTL; estimated volume; transported by; OSDF initial placement cell and/or grid; material returns/ comments	Per Load	transport signature; record to daily log
MTL to Special Material Transfer Area MTL	FTL	source MTL; destination MTL; material description; estimated volume or item count	Per event and Per MTL	record to daily log
MTL to other MTLs	FTL	source MTL; destination MTL; material description; estimated volume or item count	Per day and Per MTL	record to daily log

2. Estimate quantities of material by volumes (cubic yards) and type moved based on visual observations. Use the number of hauls per equipment type and each type's respective capacity to estimate volumes to the nearest 3 cubic yards per load.
3. Identify the type (and placement category for material to be placed in the OSDF) of material, based on a visual observation, in accordance with the Impacted Material Placement Plan for OSDF and as specified in Section 02205. Provide a general description such as "soil and soil-like material (including flyash, gravel, etc.)", "debris", or "Special Material".
  - a. An example of general descriptions of soil or soil-like material is 10 percent flyash/90 percent soil.
  - b. Special Materials will include atypical items like transformers or pressurized containers or other Special Material items as specified in Section 02205.

- C. Carry the OSDF manifest in equipment when hauling to the OSDF.
- D. Submit the OSDF manifest to the OSDF Construction Quality Control representative upon arrival at the OSDF.
- E. Provide information for FTL(s) for materials moved to the Special Material Transfer Area to the Construction Manager at the time of delivery. Contractor shall record this information in Contractor's daily log.
- F. Provide information for materials moved between MTLs (other than OSDF) at the close of business each working day, or at the morning safety briefing on the following working day. Contractor shall record this information in Contractor's daily log.

### **3.2 PREPARATION**

- A. Field stake delineation of MTLs as specified in Section 02050.
- B. Train and familiarize personnel (minimum of 3) with the material identification and documentation requirements. Identify all competent personnel who will be involved with material identification and documentation to the Construction Manager.

### **3.3 METHODS AND REPORTING REQUIREMENTS**

Comply with detailed methods included in approved Material Identification and Documentation Work Plan.

### **3.4 FIELD QUALITY CONTROL**

FDF will perform intermittent inspections of material identification and documentation, and work with the Contractor to assist with the implementation of this Section.

**END OF SECTION**